ABSTRACT

A disaster-tolerant data backup and remote copy system which is
implemented as a controller-based replication of one or more LUNs (logical units)
5   between two remotely separated pairs of array controllers connected by redundant
links. In the situation wherein an array controller fails during an asynchronous copy
operation, the partner array controller uses a 'micro log' stored in mirrored cache
memory to recover transactions, in order, which were 'missed' by the backup
storage array when the array controller failure occurred.
10